

FIG. 1

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```

mmif      10      20      30      40      50      60
          ATGCCTATGTTTCATCGTGAACACCAATGTTCCCGCGCCTCCGTGCCAGAGGGGTTCTG
          ::::: X ::::: ::::: ::::: ::::: ::::: ::::: ::::: :::::
>hmif.    ATGCCGATGTTTCATCGTAAACACCAACGTGCCCCGCGCCTCCGTGCCGACGGGTTCTC
          10      20      30      40      50      60

mmif      70      80      90      100     110     120
          TCGGAGCTCAGCCAGCAGCTGGCGCAGGCCACCGGCAAGCCCCGCACAGTACATCGCAGTG
          ::::: ::::: ::::: ::::: ::::: ::::: ::::: :::::
>hmif.    TCCGAGCTCAGCCAGCAGCTGGCGCAGGCCACCGGCAAGCCCCCAGTACATCGCGGTG
          70      80      90      100     110     120

mmif      130     140     150     160     170     180
          CACGTGGTCCCGGACCAGCTCATGACTTTTAGCGGCACGAACGATCCCTGCGCCCTCTGC
          ::::: ::::: ::::: ::::: ::::: ::::: ::::: :::::
>hmif.    CACGTGGTCCCGGACCAGCTCATGGCCTTCGGCGGCTCCAGCGAGCCGTGCGCGCTCTGC
          130     140     150     160     170     180

mmif      190     200     210     220     230     240
          AGCCTGCACAGCATCGGCAAGATCGGTGGTGCCCGAGAACCGCAACTACAGTAAGCTGCTG
          ::::: ::::: ::::: ::::: ::::: ::::: ::::: :::::
>hmif.    AGCCTGCACAGCATCGGCAAGATCGGCGGCGCGCAGAACCGCTCCTACAGCAAGCTGCTG
          190     200     210     220     230     240

mmif      250     260     270     280     290     300
          TGTGGCCTGCTGTCGATCGCCTGCACATCAGCCCCGACCGGGTCTACATCAACTATTAC
          ::::: ::::: ::::: ::::: ::::: ::::: ::::: :::::
>hmif.    TGTGGCCTGCTGGCCGAGCGCCTGCGCATCAGCCCCGACAGGGTCTACATCAACTATTAC
          250     260     270     280     290     300

mmif      310     320     330     340
          GACATGAACGCTGCCAACGTGGGCTGGAACGGTTCCACCTTCGCTTGA
          ::::: ::::: ::::: ::::: ::::: X :::::
>hmif.    GACATGAACGCGGCCAGTGTGGGCTGGAACAACCTCCACCTTCGCCTAA
          310     320     330     340

```

FIG. 2

start
↓
CCATGCCTATGTTTCATCGTGAACACCAATGTTCCCCGCGCC
TCCGTGCCAGAGGGGTTTCTGTCTGGAGCTCACCCAGCAGCTGGCGCAGGCCACCGGCAAG
CCCGCACAGTACATCGCAGTGCACGTGGTCCCGGACCAGCTCATGACTTTTAGCGGCACG
AACGATCCCTGCGCCCTCTGCAGCCTGCACAGCATCGGCAAGATCGGTGGTGCCCAGAAC
CGCAACTACAGTAAGCTGCTGTGTGGCCTGCTGTCCGATCGCCTGCACATCAGCCCGGAC
CGCTCCTACAGCAAGCTGCTGTGCGGCCTGCTGGCCGAGCGCCTGCGCATCAGCCCGGAC
CGGGTCTACATCAACTATTACGACATGAACGCTGCCAACGTGGGCTGGAACGGTTCCACC
AGGGTCTACATCAACTATTACGACATGAACGCGGCCAGTGTGGGCTGGAACAACCTCCACC
TTCGCTTGAGTCCTGGCCCCACTTACCTGCACCGCTGTTT
↑
stop

FIG. 3

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	10	20	30	40	50	60
mu	MPMFIVNTNVPRASVPEGFLSEL TQQLAQATGKPAQYIAVHVVPDQLMTFSGTNDPCALC					
	::					
hu	MPMFIVNTNVPRASVPDGLSEL TQQLAQATGKPPQYIAVHVVPDQLMAFGGSSEPCALC					

	70	80	90	100	110
mu	SLHSIGKIGGAQNR <u>NY</u> SKLLCGLLSDRLHISPDRVYINYYDMNAANVGWNGSTFA				
	::				
hu	SLHSIGKIGGAQNR <u>SY</u> SKLLCGLLAERLRISPDRVYINYYDMNAANVGWNNSTFA				

FIG. 4

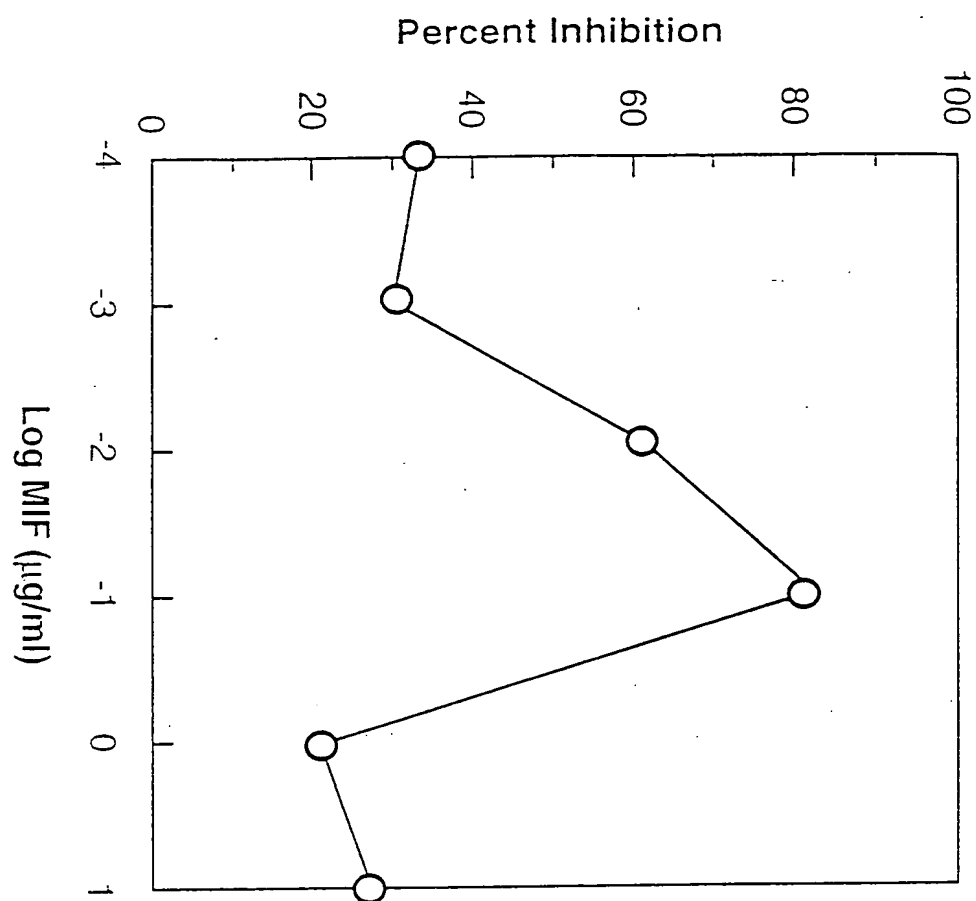


FIG. 5

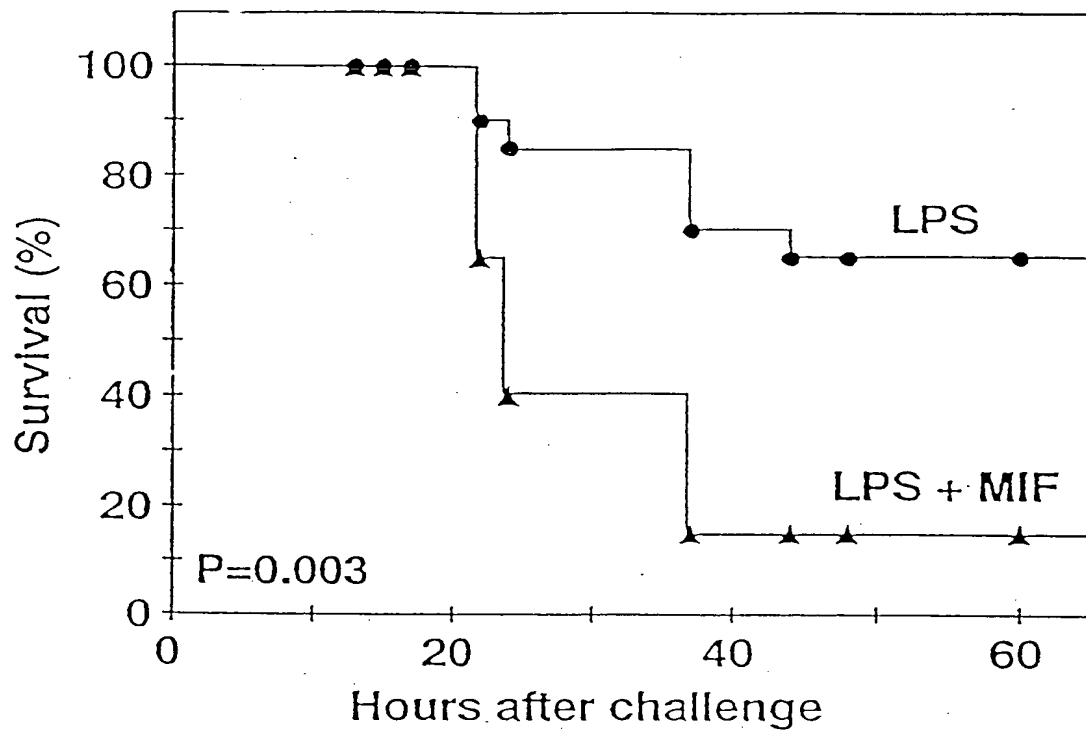


FIG. 6A

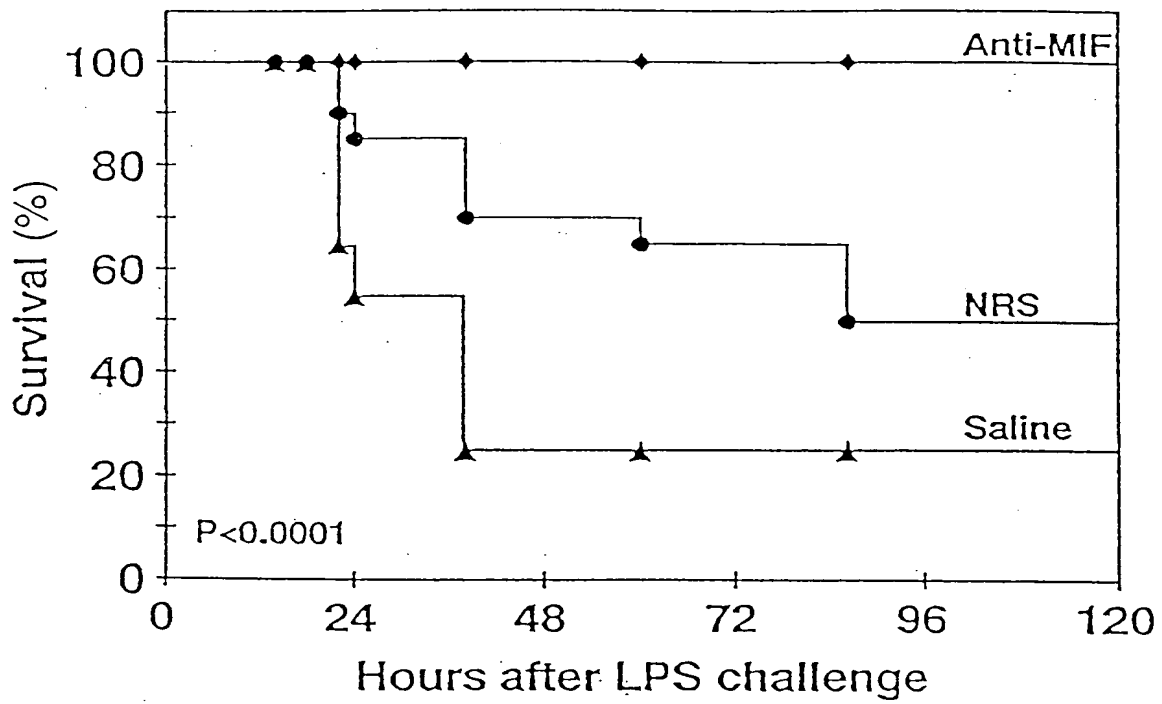


FIG. 6B

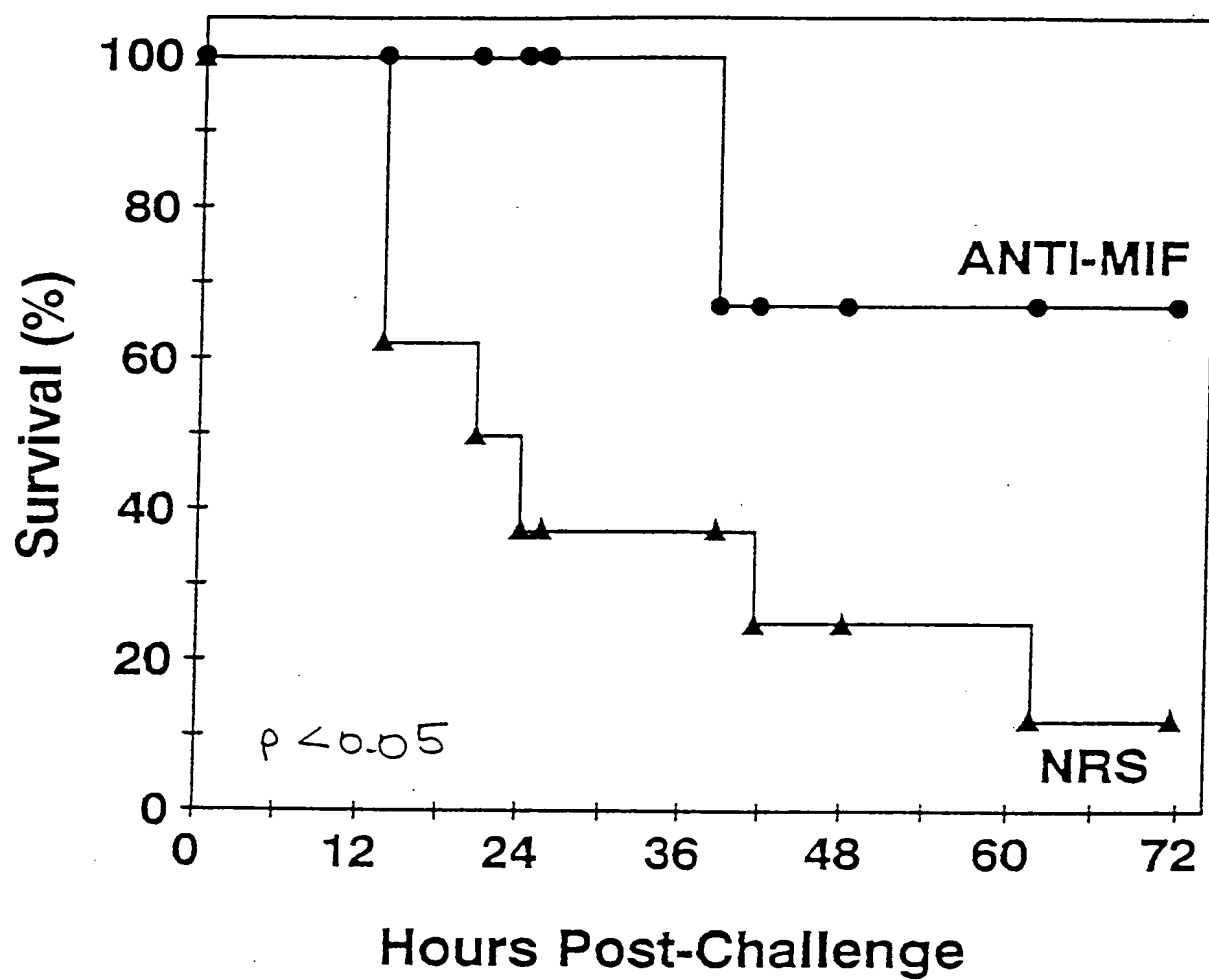


FIG. 7

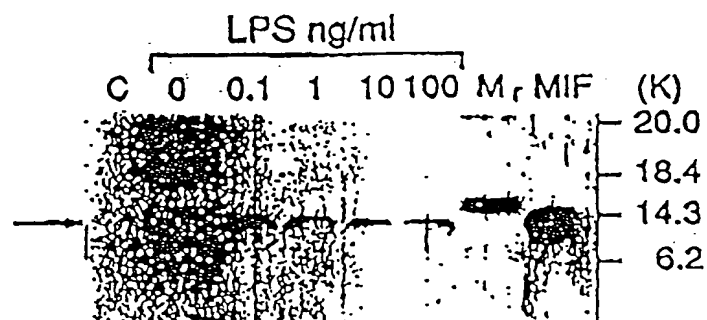


FIG. 8

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FIG. 9A

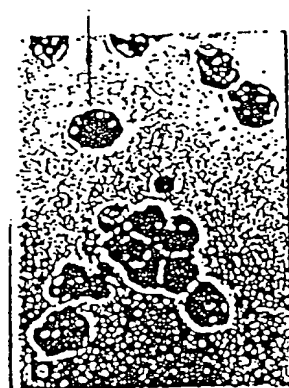


FIG. 9B

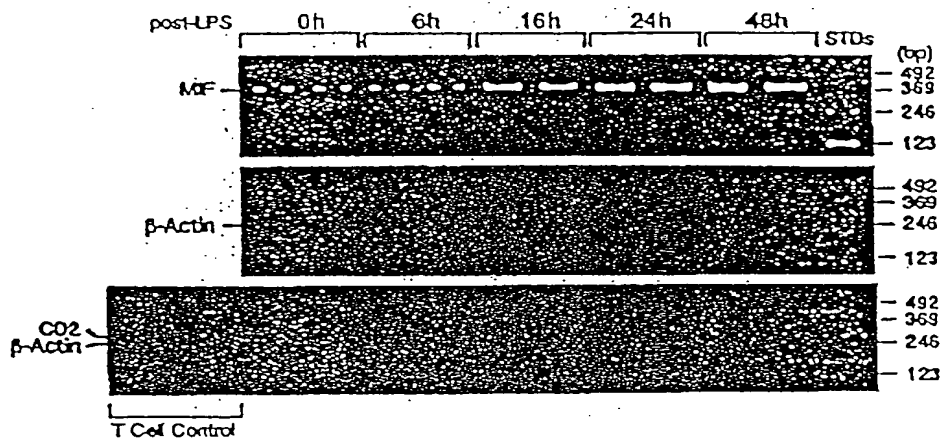


FIG. 10

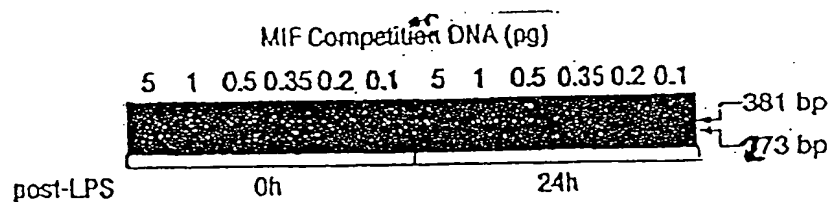


FIG. 11

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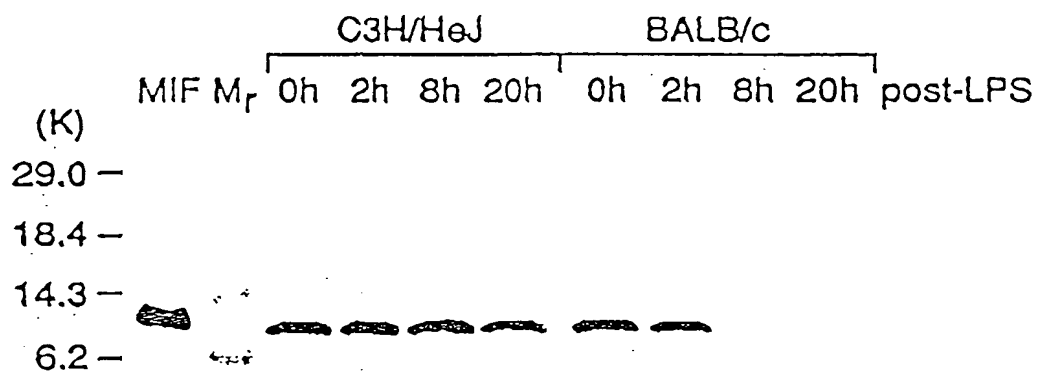


FIG. 12

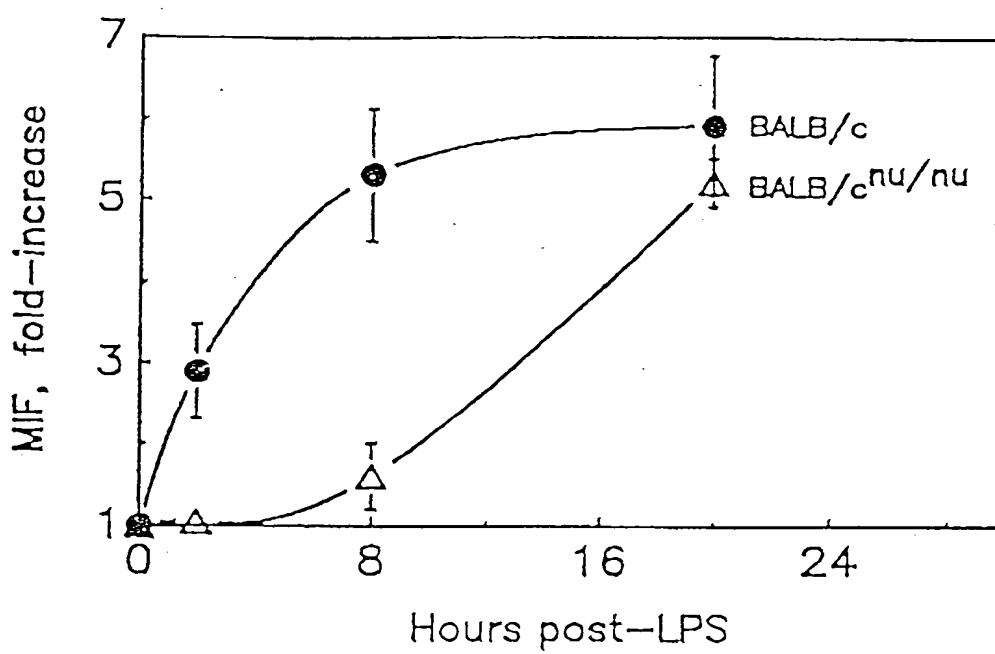


FIG. 13

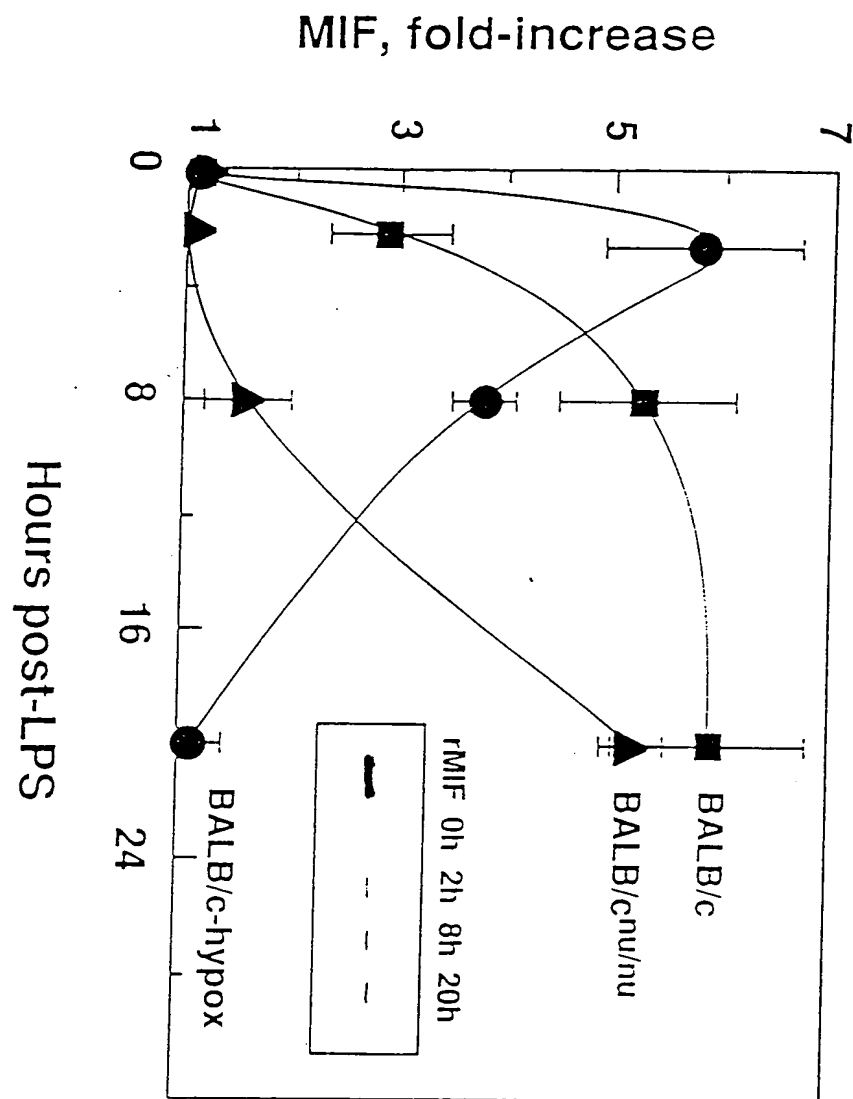


FIG. 14

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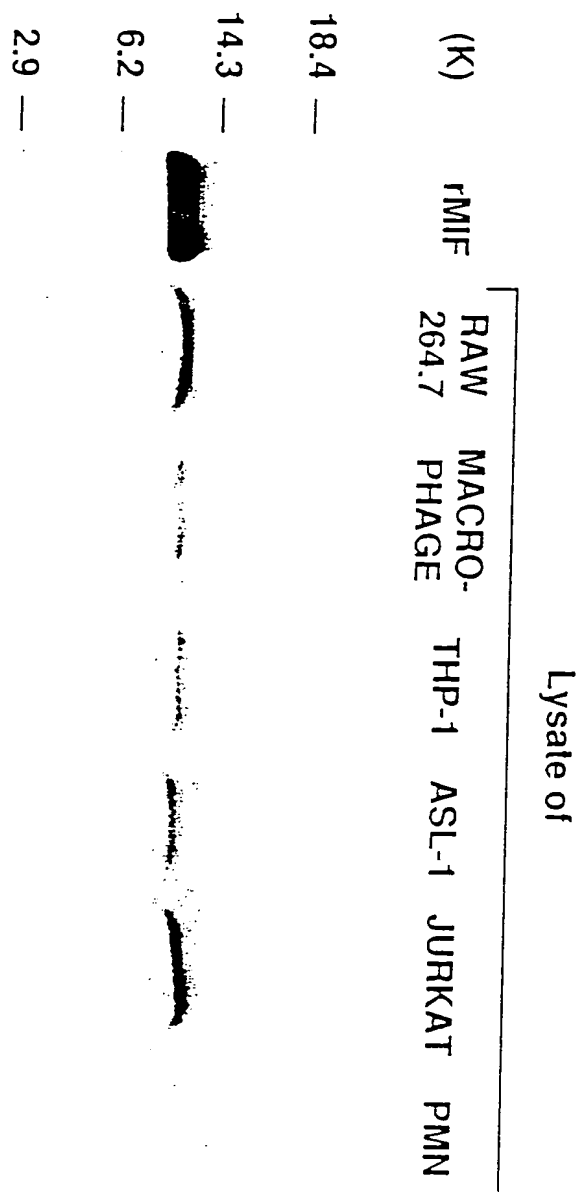
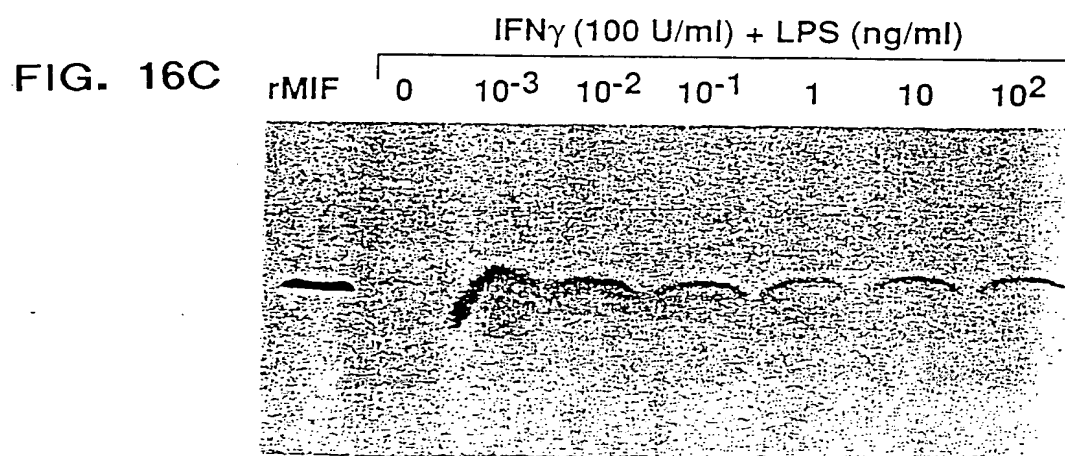
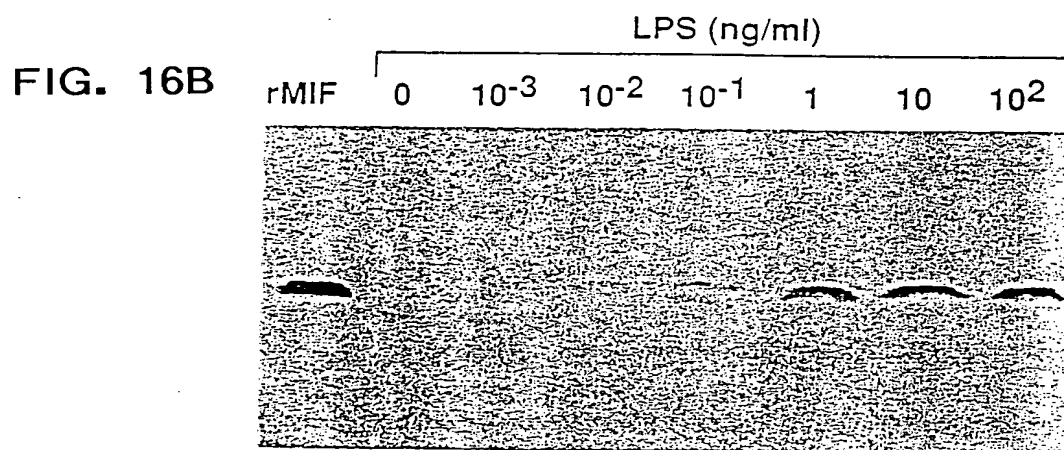
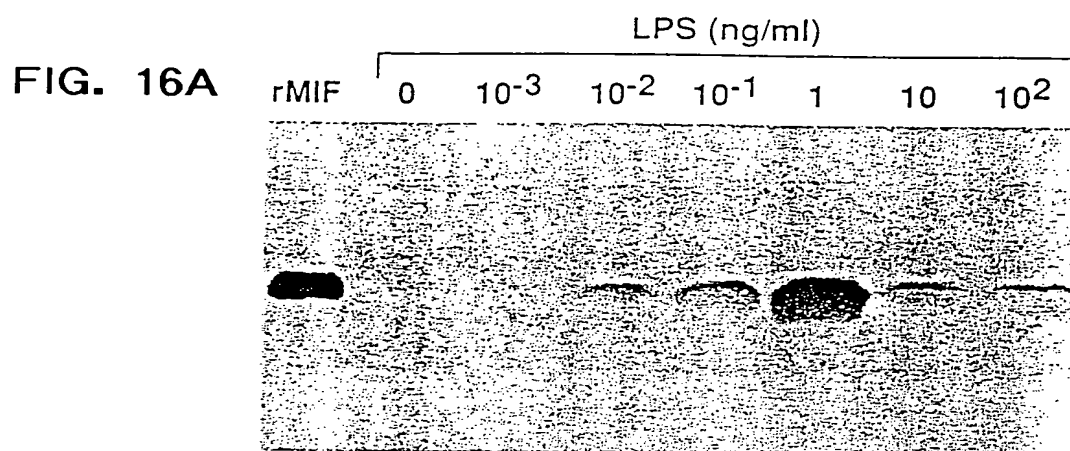


FIG. 15



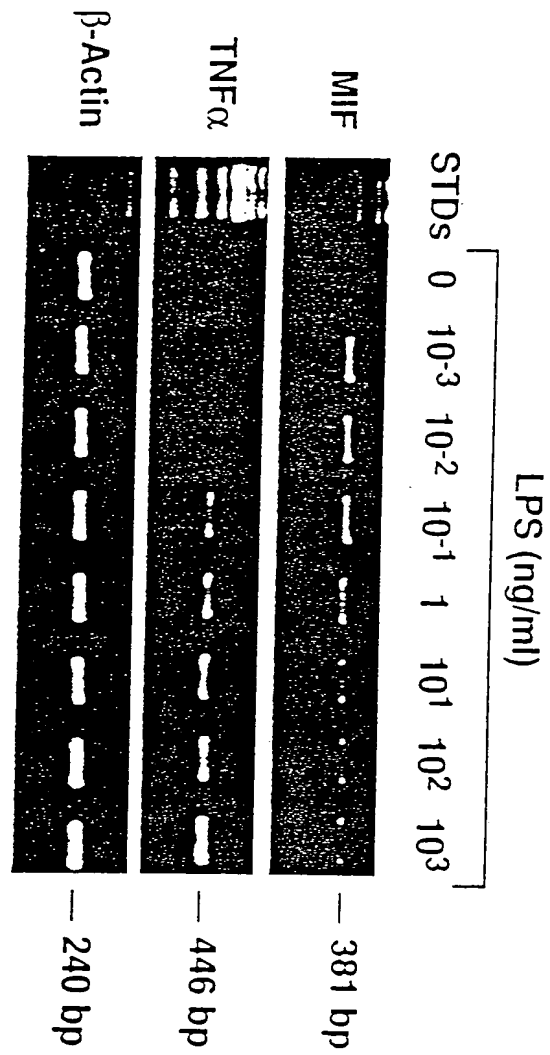


FIG. 17

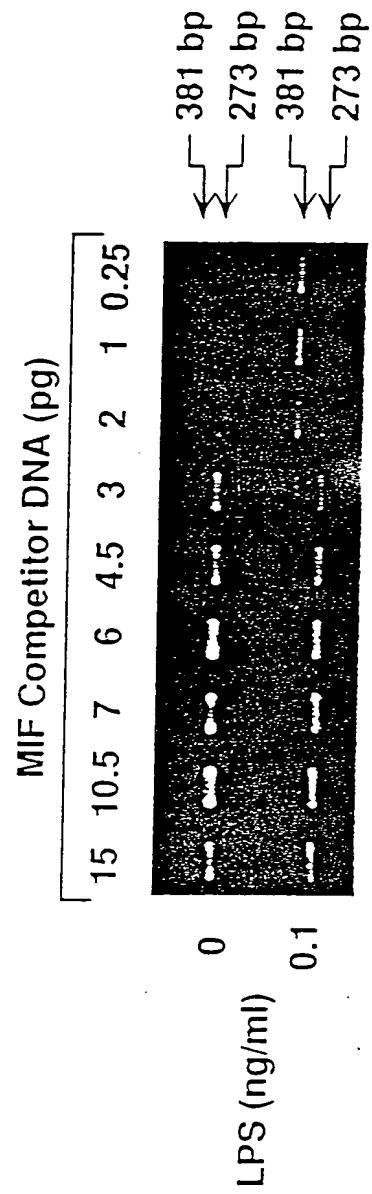


FIG. 18

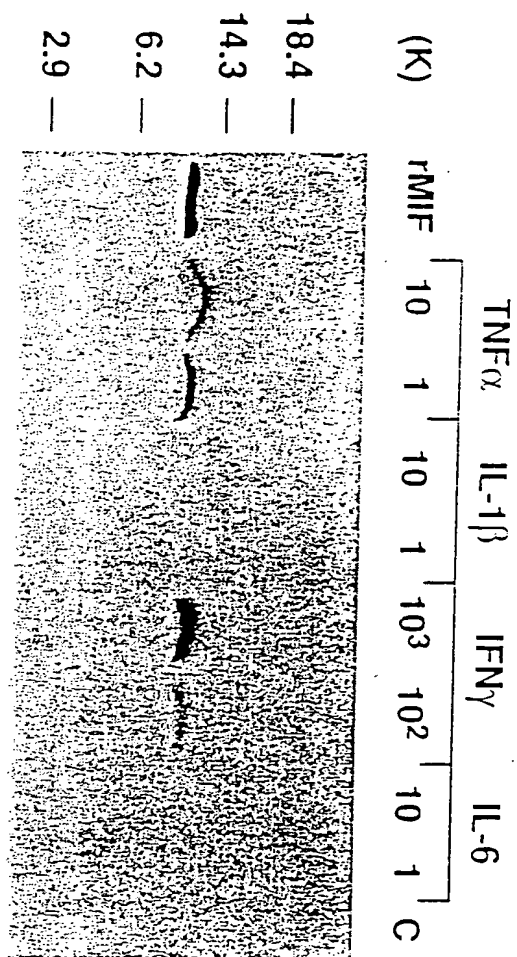


FIG. 19

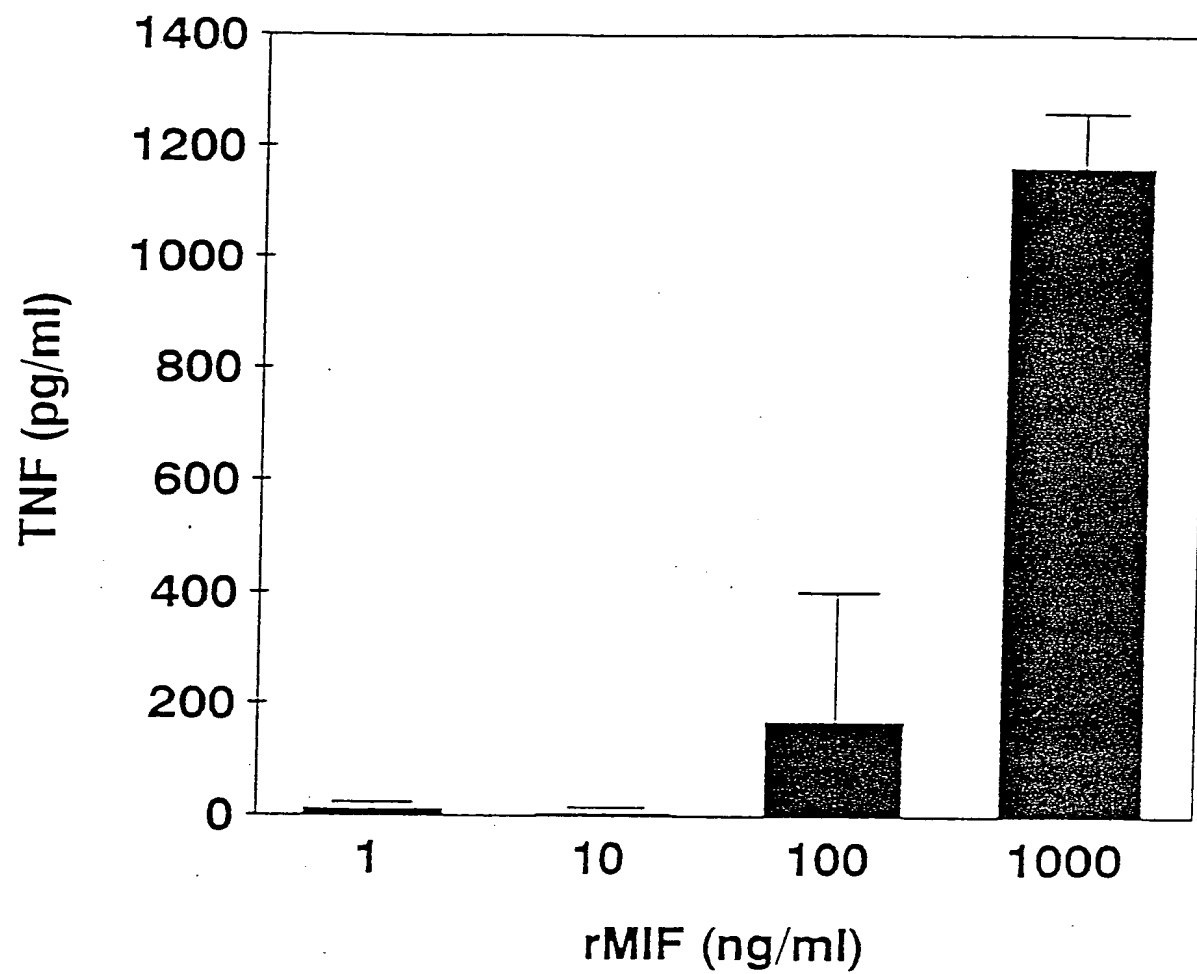


FIG. 20

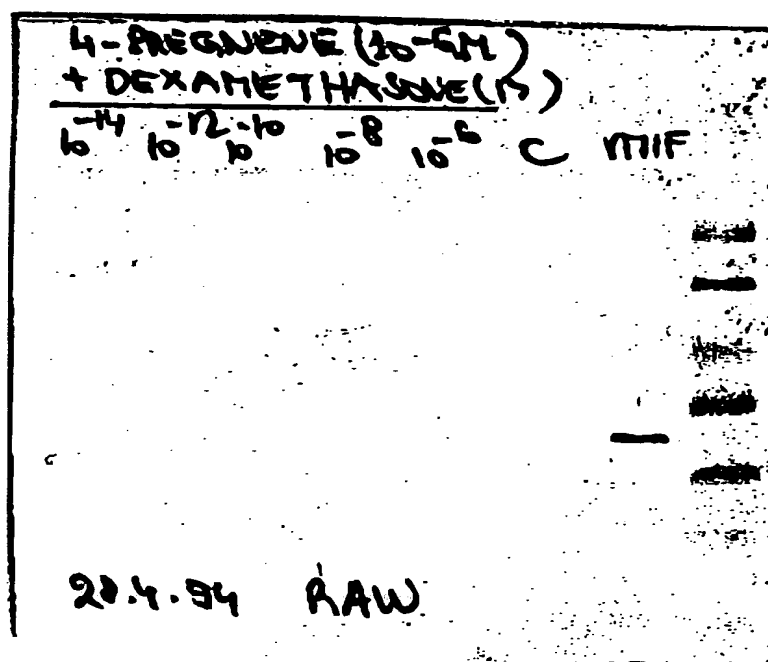
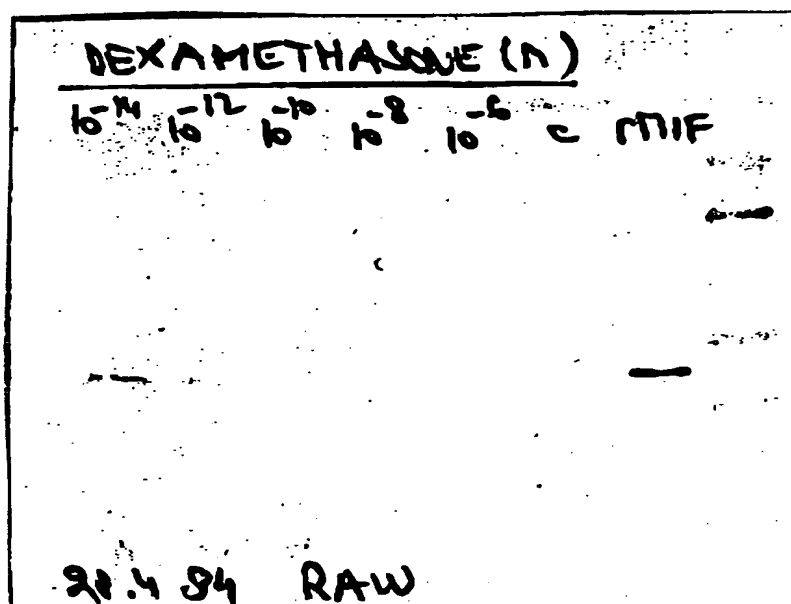


FIG. 21

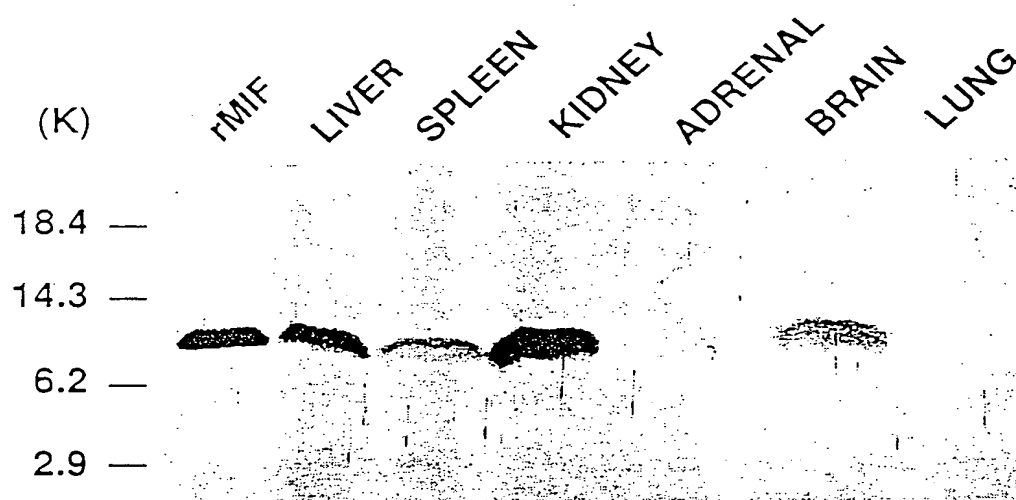


FIG. 22